Contents Volume 219

CARSTEN W. SCHERER (Delft, the Netherlands)
The General Nonstrict Algebraic Riccati Inequality 1

DRAGOMIR Ž. ĐOKOVIĆ (Waterloo, Ontario, Canada) AND LEONARDO LEGORRETA (Ogden, Utah)
Congruence of Hermitian Matrices Over Some Localizations of $C[z, z^{-1}]$ 35

ALI H. SAYED (Santa Barbara, California) AND THOMAS KAILATH (Stanford, California)
Fast Algorithms for Generalized Displacement Structures and Lossless Systems 49

DARKO VELJAN (Zagreb, Croatia)
The Sine Theorem and Inequalities for Volumes of Simplices and Determinants 79

CHI-KWONG LI (Williamsburg, Virginia) AND PARAS P. MEHTA (Cambridge, Massachusetts)
Permutation Invariant Norms 93

ZUZANA NAGYOVÁ (Košice, Czechoslovakia)
On Classes of Normalized Matrices 111

TAKAYUKI FURUTA (Tokyo, Japan)
Extension of the Furuta Inequality and Ando-Hiai Log-Majorization 139

MIGUEL LACRUZ (Mt. Pleasant, Michigan)
Norms of Schur Multipliers 157

HIROYUKI ISHIBASHI (Saitama, Japan)
Involuntary Expressions for Elements in $GL_n(Z)$ and $SL_n(Z)$ 165

C. BURGUEÑO (Temuco, Chile) AND C. MALLOL (Montpellier, France)
Morphismes de Peirce et Orthogonalité Dans les Algèbres de Bernstein 179

JAN HAUKE AND AUGUSTYN MARKIEWICZ (Poznań, Poland)
On Partial Orderings on the Set of Rectangular Matrices 187

SUK-GEUN HWANG (Taegu, Republic of Korea)
Minimizing the Permanent over Some Faces of the Polytope of Doubly Stochastic Matrices 195

ISABEL CABRAL (Monte da Caparica, Portugal)
Matrices With Prescribed Submatrices and Number of Invariant Polynomials 207

Table of Contents continued

P. Enflo, V. I. Gurarii, V. Lomonosov (Kent, Ohio) and
Yu I. Lyubich (Haifa, Israel)
Exponential Numbers of Linear Operators in Normed Spaces 225

A. J. Durán (Sevilla, Spain) and W. Van Assche
(Heverlee, Belgium)
Orthogonal Matrix Polynomials and Higher-Order
Recurrence Relations 261

Author Index 281